

Disasters Happen

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When Disaster Strikes King County Again...



- □ Will we be able to protect our staff and carry out our mission?
- □ Will we use our resources most efficiently?
- Will we have the information we need to respond effectively?
- Will we make the right decisions regarding how our health care system will function?

A Disaster Scenario (part 1)



Prepare. Respond. Recover.

- A large, devastating earthquake hits King County
 - disrupting infrastructure
 - damaging and destroying many buildings
 - frightening everyone.
- Several nursing homes are evacuating
- Many hospitals are damaged



Health and Medical Response Command Structure



- Coordinate and implement system-wide policy decisions during emergencies
- Incorporate the continuum of care into decision making and response
- Acknowledge the Local Health Officer as the lead decision maker for the countywide health and medical response

Health and Medical Response Command Structure



Local Health Officer **EMS** Medical Examiner Healthcare Coalition **Medical Directors Executive Council** Multi-Agency Coordination Group (MAC Group)

Health and Medical Response Command Structure



- What circumstances may warrant activation of a MAC Command Structure?
 - Medical resources may require prioritization
 - Standards of care may need to be altered
 - Healthcare facilities have been damaged / destroyed causing impacts throughout the system
 - Damage to supporting infrastructure (power, roads, communications) significantly impacts operations

Health and Medical Response Command Structure



Types of events with MAC activated:

- Earthquake
- Influenza Pandemic
- Bioterrorism event
- Severe wind storm (2006)
- □ Ice / snow storm (1996)
- Region-wide power failure (Northeast US 2003)

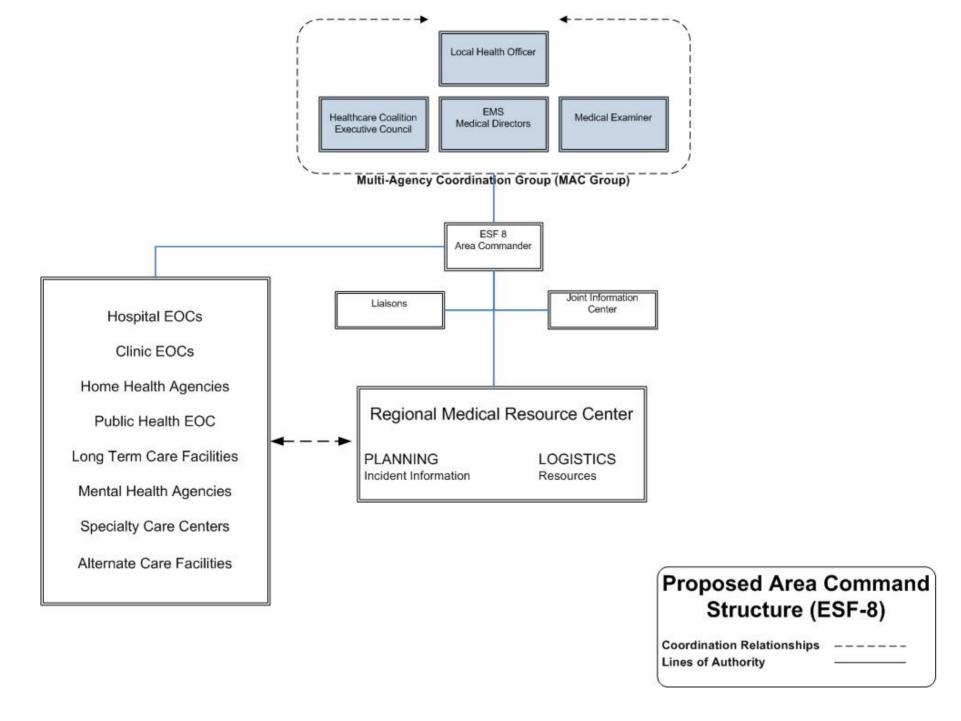
A Disaster Scenario (part 2)



Prepare. Respond. Recover.

- MAC has been activated
- Healthcare partners have activated emergency plans
- 3 hospitals must be evacuated
- □ Healthcare facilities have difficulty staffing key functions
- □ Huge public demand for information regarding EMS status, ER availability, medical advice for injuries; overwhelms telephone centers countywide





Health and Medical Response Response Structure



- Regional Medical Resource Center will:
 - Identify, mobilize and track medical resources
 - Collect and report situational status for healthcare organizations
 - Ensure healthcare system partners can connect with key local agencies and EOCs for non-medical support
 - Support Alternate Care Facilities, coordination of Call Center resources, management of volunteer medical staff

Healthcare System Preparedness



Preparing together for disasters is key

 Planning, training, exercising, coordinating and communicating in advance

Healthcare System Preparedness

- What is your role?
 - Participate in preparedness efforts
 - Share contact information with the RMRC and key local agencies
 - Develop emergency response and business continuity plans
 - Participate in mutual aid provide assistance when possible



Looking Back

... Moving Forward

David Grossman, MD
Vice-Chair, Executive Council
Medical Director, Preventive Care, Group Health

"When a disaster hits, Americans rely on a fragmented healthcare system to miraculously mount a timely, cohesive, and effective recovery effort. Yet, the carefully orchestrated and sequenced medical responses to disasters lean on a disjointed health system."

"Closing the Seams: Developing an integrated approach to health system disaster preparedness", Price Waterhouse Coopers, 2007





A coordinated response across the continuum of healthcare that meets the health and medical needs of the community during an emergency

Coalition - Background



- More than 60 member and partner organizations
- Member organizations represent the continuum of care
 - Hospitals, Medical Groups, Safety Net Providers, Tribal Clinics,
 Pediatric Providers, Home Health and Home Care, Long Term Care,
 Mental Health, Specialty Providers Dialysis, Blood, Poison Center
- Governed by an Executive Council
- Funded by local and federal resources

Our Best Insurance Policy



Preparedness is a form of "insurance," a necessary investment that we must make to ensure that we can build resiliency in our organizations and respond effectively as a community during emergencies

Regional Preparedness Roles



Prepare, Respond, Recover

Coalition

- Surge Capacity and Capability Planning
 - Alternate Care Facilities
 - Call Center Coordination
 - Volunteer Management System
 - Antiviral/Vaccine Distribution
- Training and Exercises Coordination
- Regional Medical Resource Center
 - Critical Infrastructure Planning
 - Communications and Coordination
 - Resource and Information Management
- Memorandums of Understanding (MOU)

Healthcare Coalition Preparedness Structure

Executive Council Special Advisory Groups Clinical Planning Groups ✓ Insurers Work Group ✓ Medical Directors Committee. ✓ Legal Work Group ✓ Critical Care Workgroup ✓ Infectious Disease Workgroup ✓ Palliative Care Workgroup ✓ Pediatrics Workgroup ✓ Pharmaceutical Workgroup Staff Coordinating Operational Planning Regional Surge Group Committees Capacity Projects ✓ Non Hospital Planning Committee ✓ Hospital Committee ✓ Alternate Care Facilities. ✓ Methadone Preparedness Workgroup ✓ Puget Sound Call Center Coordination ✓ Regional Medical Resource Center Software ✓ Volunteer Management System (Staffing) ✓ Healthcare Worker Survey Planning Group Regional Medical Resource Center

2007: Building the Regional Response Infrastructure



- Alternate Care Facilities (ACF)
 - Activated first medical needs shelter in December 2006 at Bellevue Community College during the windstorm
 - Memorandum of Understanding signed between Public Health and the Seattle Center for the first ACF in King County
 - Coordinating with EMS, police, fire, and the Red Cross
- Coordination of Regional Trainings & Exercises
 - Annual Drill Tested Evacuation and Communications
- Developing the Regional Medical Resource Center
 - Acquisition of KCHealthTrac
 - Supported health and medical response during the windstorm
 - Mitigated impact of I-5 closure through informational bulletins





"The unfortunate reality is that it only takes one large disaster to wipe out all the hard work and reputation of a health care facility."

 Robert Freitas, MHA, Division of International Disaster and Emergency Medicine, Harvard Medical Faculty

Organizational Preparedness Responsibilities



Organizations

- Surge Capacity and Capability Planning
- Training and Exercises
- Continuity of Operations Planning
- National Incident Management System (NIMS)
 Compliance (Hospitals)

Joint Commission Raises the Bar



Prepare, Respond, Recover

Every year healthcare standards get more rigorous and more community-based

- Regional Medical Resource Center
- Alternate Care Facilities
- Call Center Coordination
- Coalition Committee Meetings
- Regional Trainings & Exercises
- Communications and Coordination



The Coalition assists organizations in meeting over 50% of Joint Commission emergency management standards

2007: Coalition Support to your Organization



Surge Capacity and Capability Management

- Resource acquisition for hospitals and healthcare
- Trainings & Exercises
 - Hands-on hospital/EMS evacuation training
 - NIMS tools and trainings
 - Monthly radio drills
- Continuity of Operations Planning
 - RMRC facilitated utility and telecommunications prioritization for facilities
 - RMRC mitigated impact of I-5 closure through informational bulletins

Leveraging Competitive Opportunities



- Public Health and the Coalition were awarded a \$1.9 million competitive partnership grant that will fund continued and new work into 2008
 - The Coalition was 1 of 11 communities in the country
 - Funds were awarded by the Federal Department of Health and Human Services and must be spent by July 31, 2008
- NACCHO funded Web-based toolkit created to assist other jurisdictions in developing healthcare coalitions



Prepare, Respond, Recover

Surge Capacity and Capability

- Alternate Care Facility operational plan and budget
- Call Center Coordination plan
- Develop Volunteer Management System
- Support Hospital ED Saturation improvements
- Facilitate healthcare fatality management planning

Training & Exercises

Train and test alternate care facilities, organizational and regional antiviral dispensing plans, and mass fatality response

Regional Medical Resource Center

- Rollout of KC Healthtrac to healthcare system
- Educate partners on RMRC roles and procedures



Prepare. Respond. Recover.

- Continuity of Operations Planning
 - Small Grant Awards and Workshops for Non-Hospital Providers that work with at risk populations
- Healthcare Worker Survey on Reporting to Work in Emergencies
 - In collaboration with the Northwest Center for Public Health Practice and Group Health
- Healthcare Coalition Program Evaluation
 - In collaboration with the Northwest Center for Public Health Practice

Your Leadership Plays a Critical Role



Prepare. Respond. Recover

Lessons learned from disasters around the nation:

- Leadership is key to weathering a crisis
- Real-time access to information is vital to keeping internal and external audiences knowledgeable
- Collaboration between public health, hospitals,
 healthcare agencies and other community organizations –
 is crucial to organizational survival and regional response

Be a Leader on Preparedness



- Champion preparedness within your organization
- Build the trust now with your staff that you will need when the disaster strikes
- Ensure your staff have the support they need to do this work – this is not going to go away!
 - Dedicated staff
 - Resources

We Need Your Help



- Continue to donate your organizational expertise to committees and projects
- □ Timely response to limited requests for your support and advocacy throughout the year
 - ☐ Healthcare Worker Survey
 - □ Coalition Evaluation
- Attendance at Annual Meeting and other meetings as needed
- Assist in identifying future funding opportunities



Support the King County Healthcare Coalition Now

And It Will Be There When You Need It



KCHealthTrac: Incident Management Software

Allison Schletzbaum Project Manager King County Regional Medical Resource Center



What is KCHealthTrac?



KCHealthTrac is an Incident Management software system designed to support the ESF-8 Health and Medical response and Healthcare Coalition members and partners.

System Features



- Resource & Pharmaceutical Tracking
- Bed Availability
- GIS Mapping
- Document Archive "Knowledgebase"
- Secure & Archived Communications "Command Center"
- Alert Manager
- Patient Tracking
- ED Saturation/Diversion Status
- Contact Management
- Reporting Features Can Export All Data Elements

2008 Rollout Features



Prepare. Respond. Recover.

- Resource & Pharmaceutical Tracking
- GIS Mapping
- Document Archive "Knowledgebase"
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- Contact Management
- Reporting Features Can Export All Data Elements

Resources & Pharmaceuticals



Prepare. Respond. Recover.

- CustomizableCategories
- Unlimited Number of Items that can be Tracked

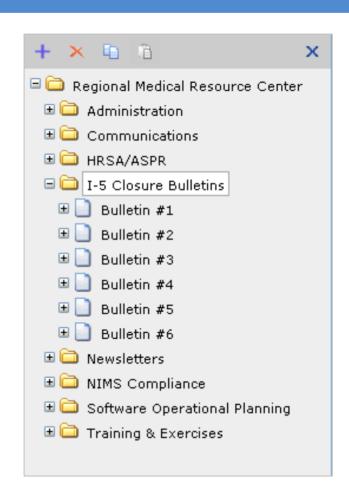
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- Facilities Can Track Items Beyond What the Healthcare Coalition is Requesting
- Information Will be Shared Among Sector Partners
- Not Designed to Replace In-House Systems for Daily Operations

Knowledgebase

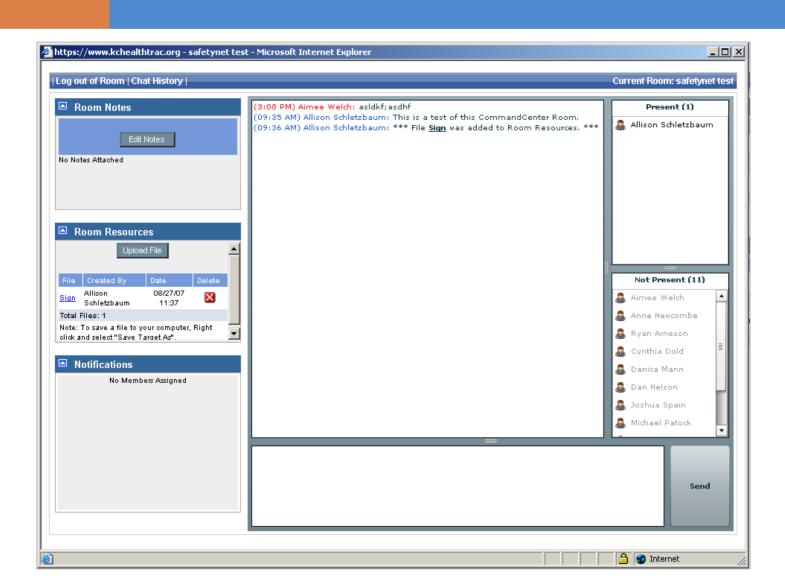


- Storage for Reference Documents
- Information Sharing Within Committees
- Streamlined DocumentEditing/Review
- Document Access Control



Command Center





Command Center



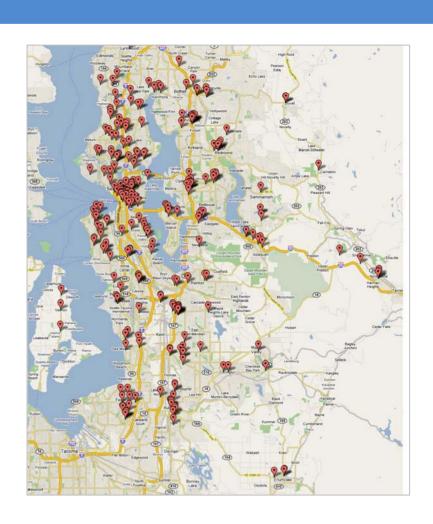
- Preparedness
 - Bulletin Boards
 - Committees can Conduct Subject-Specific Discussions
- Response
 - Chat Rooms
 - Ability to Attach Reference Files
- Can Create Conferences & Rooms
- Permissions Based Communication
- Archived Communications

- Alerts can be sent by:
 - Phone
 - Text Message
 - Email
 - Pager
- Each user maintains their own contact information and alerting preferences

GIS Mapping



- Users can create customizable maps by:
 - Resource Type
 - Healthcare System
 - Sector
 - Radius
 - Trauma Level
 - Special Services
 - Open/Closed Facilities



System Specifications



- System Designed by ImageTrend
- Web-Based System
- Remote Hosted System (Minneapolis & Chicago)
- 24/7 Server Monitoring
- 24/7 Tech Support
- Unlimited Logins
- HIPAA Compliant

Other ImageTrend Customers



- □ Three (3) statewide Resource Bridge Systems (MN, WI, NE)
- Eight (8) statewide EMS pre-hospital systems (MN, NE, MO, NH, GA, ME, WI, WA)
- Healthcare Software Systems
 - Over 6 million incidents
 - Over 71,000 users of ImageTrend's Emergency Data Systems
- Additional Products include custom data management systems and content management systems (e.g., human resources, student information systems)

Proposed Rollout Timeline



	Fall 2007	Winter 07/08	Spring 2008	Summer 2008	Fall 2008	Winter 08/09	Spring 2009
Hospitals/Public Health	Configuration in Progress	Training	Exercise				
Ambulatory Care]	
SafetyNet Providers Hospital Based Clinics Tribal Clinics Medical Groups			Kickoff & C	onfiguration	Training		Exercise
Long Term Care		•					
Nursing Homes				Kickoff & Co	onfiguration	Training	Exercise
Home Health Agencies				Kickoff & Co	onfiguration	Training	Exercise
Palliative Care & Hospice				Kickoff & Co	onfiguration	Training	Exercise
Dialysis (NW Kidney Centers)				Kickoff & Co	onfiguration	Training	Exercise
Mental Health		Kickoff & Co	onfiguration	Training	Exercise		

- Tracking
 - Available spaces/appointments
 - Interpreters
 - Shared Resources within your system
- Situational Monitoring
 - Tracking the status of a group of facilities
 - Allow employees to centrally report response activities
- Connecting with the Healthcare Coalition
 - One-stop-shop to connect with the Coalition Response

Future Enhancements



- Enhance the Alerting System
- Create a centralized contact management system
 - Manage users by organization, function, and other demographic characteristics
- Scenario-Based Reporting
 - Streamline healthcare facility reporting
- Patient Tracking

- Pilot Training Session
- Training Material Refinement
- Sector Outreach for Software Customization
- Hospital Rollout January 2008
- Sound Shake Exercise March 2008

...and of course



We will maintain printed copies of all information in KCHealthTrac to ensure that we are prepared if it is not available.